

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D119-796 REV. E OR EARLIER AND
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D119-796 REV. 3 OR EARLIER

REF. TCCA STC: SH14-45
REF. FAA STC: SR03504NY
REF. EASA STC: 10052022
REF. DGCA INDIA LOA: 07-09/2011-AED
REF. BRASIL STC: 2015S07-16
REF. PHILLIPPINES LOA: C-16-0221
REF. CHINA VSTC: VSTC0757
REF. RUSSIA TC: CT316-A119

1.0 PURPOSE

It has come to DART Aerospace's attention that in an emergency water landing, the threads on the Thru Bolts that fasten the Skidtube Saddles to the DART Crosstubes may prove to be a hazard when deploying the Float System and may puncture the Float Bags.

The purpose of this DART Service Instruction is to provide instructions to replace the NAS1149C0532R & D3672-7 Washers on the inboard face of Skidtube Saddles with the D5449-1 Float Saddle Washer. The D5449-1 Float Saddle Washer is designed to protect the Float Bags from the threaded portion of the Thru Bolts.

2.0 CHANGE

2.1 Refer to section 3.1 of IIN-D119-796 Rev. E and earlier; rename Figures 3.1 and 3.2 to Figure 3.1a and 3.2a respectively. Insert Figure 3.1b and 3.2b from this service instruction.

2.2 Refer to section 3.1 of IIN-D119-796 Rev. E and earlier and modify as follows:

IS: 3.1.1 For installation on Dart D119-646-XXX Skidtubes, loosely install (qty 2) MS21250-05048 Bolts, (qty 4) NAS1149C0532R Washers, (qty 4) D3672-7 Washers and (qty 2) MS21043-5 Nuts per saddle as shown in Figure 3.1a.

Customers installing Emergency Float Kits are required to procure the D119-796-015 Float Protection Kit. For customers installing Emergency Floats, substitute the inboard NAS1149C0532R & D3672-7 Washers with the D5449-1 Float Saddle Washer as shown in Figure 3.1b.

3.1.2 For installation with OEM skidtubes/saddles loosely install (qty 2) AN5C32A Bolts, (qty 6) AN5C7A Bolts, (qty 10) NAS1149C0563R Washers and (qty 2) MS21043-5 Nuts per saddle as shown in Figure 3.2a.

Customers installing Emergency Float Kits are required to procure the D119-796-015 Float Protection Kit. For customers installing Emergency Floats, substitute the inboard NAS1149C0563R Washers with the D5449-1 Float Saddle Washer as shown in Figure 3.2b.

WAS: 3.1.1 For installation on Dart D119-646-XXX Skidtubes, loosely install (qty 2) MS21250-05048 Bolts, (qty 4) NAS1149C0532R Washers, (qty 4) D3672-7 Washers and (qty 2) MS21043-5 Nuts per saddle as shown in Figure 3.1.

3.1.2 For installation with OEM skidtubes/saddles loosely install (qty 2) AN5C32A Bolts, (qty 6) AN5C7A Bolts, (qty 10) NAS1149C0563R Washers and (qty 2) MS21043-5 Nuts per saddle as shown in Figure 3.2.

Continues on Sheet 2

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: 
D. SHEPMERD (DE # 02)

DATE: 16.07.25
CERT. NO.: SH14-45
ISSUE NO.: 1

APPROVED

A	NEW ISSUE (SEE PAR16-538)	AJS	16.07.25
REV.	DESCRIPTION	BY	DATE
DESIGN	AJS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	JH		
CHECKED	NO	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9756	SHEET 1 OF 3
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	FLOAT PROTECTION KIT	NTS
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2.3 Refer to Chapter 32 of ICA-D119-796 Rev. 3 and earlier; rename Figures 32.4 and 32.5 to Figure 32.4a and 32.5a respectively. Insert Figure 32.4b and 32.5b from this service instruction.

2.4 Refer to section 32.2.1 of ICA-D119-796 Rev. 3 and earlier and modify as follows:

IS: 32.2.1 For installation on Dart D119-646-XXX Skidtubes, loosely install (qty 2) MS21250-05048 Bolts, (qty 4) NAS1149C0532R Washers, (qty 4) D3672-7 Washers and (qty 2) MS21043-5 Nuts per saddle as shown in Figure 32.4a.

For customers installing Emergency Floats, substitute the inboard NAS1149C0532R & D3672-7 Washers with the D5449-1 Float Saddle Washer as shown in Figure 32.4b.

32.2.2 For installation with OEM skidtubes/saddles loosely install (qty 2) AN5C32A, (qty 6) AN5C7A Bolts and (qty 10) NAS1149C0563R Washers and (qty 2) MS21043-5 Nuts per saddle as shown in Figure 32.5a.

For customers installing Emergency Floats, substitute the inboard NAS1149C05632R Washers with the D5449-1 Float Saddle Washer as shown in Figure 32.5b.

WAS: 32.2.1 For installation on Dart D119-646-XXX Skidtubes, loosely install (qty 2) MS21250-05048 Bolts, (qty 4) NAS1149C0532R Washers, (qty 4) D3672-7 Washers and (qty 2) MS21043-5 Nuts per saddle as shown in Figure 32.4.

32.2.2 For installation with OEM skidtubes/saddles loosely install (qty 2) AN5C32A, (qty 6) AN5C7A Bolts and (qty 10) NAS1149C0563R Washers and (qty 2) MS21043-5 Nuts per saddle as shown in Figure 32.5.

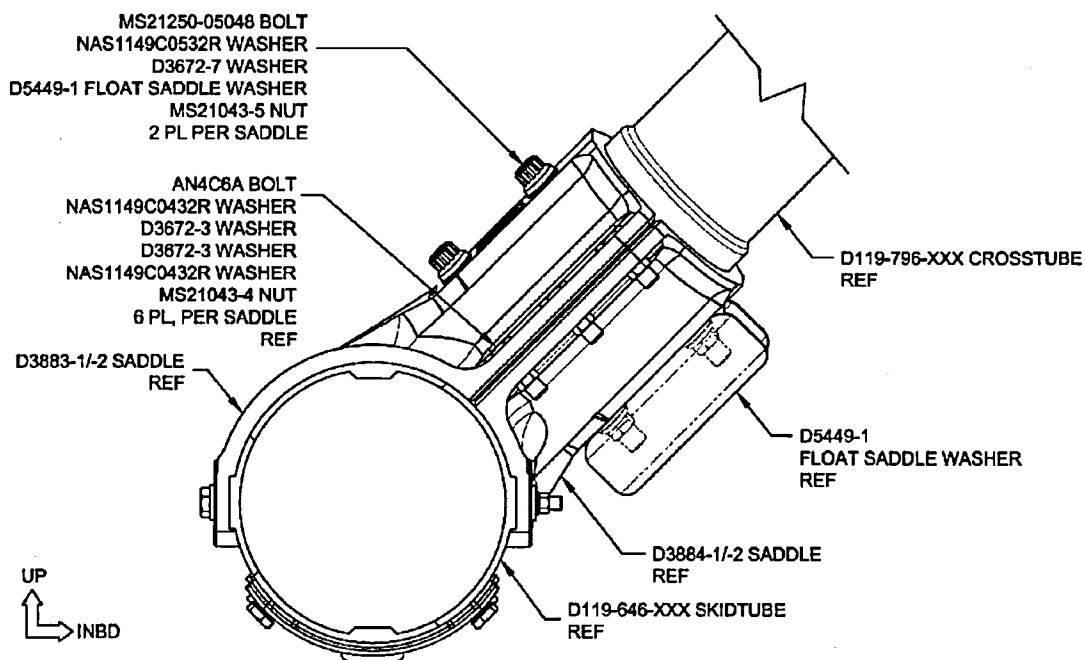


Figure 3.1b/32.4b Installation of D119-796-XXX Crosstube to Dart D119-646-XXX Skidtubes
(For Installation With Emergency Float Kits)

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DAO # 01-O-01

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BY: *[Signature]*
D. SHEPHERD (DE # 02)

DATE: 16.07.25
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DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. REV. A
DSI 9756 SHEET 2 OF 3

TITLE SCALE
FLOAT PROTECTION KIT NTS

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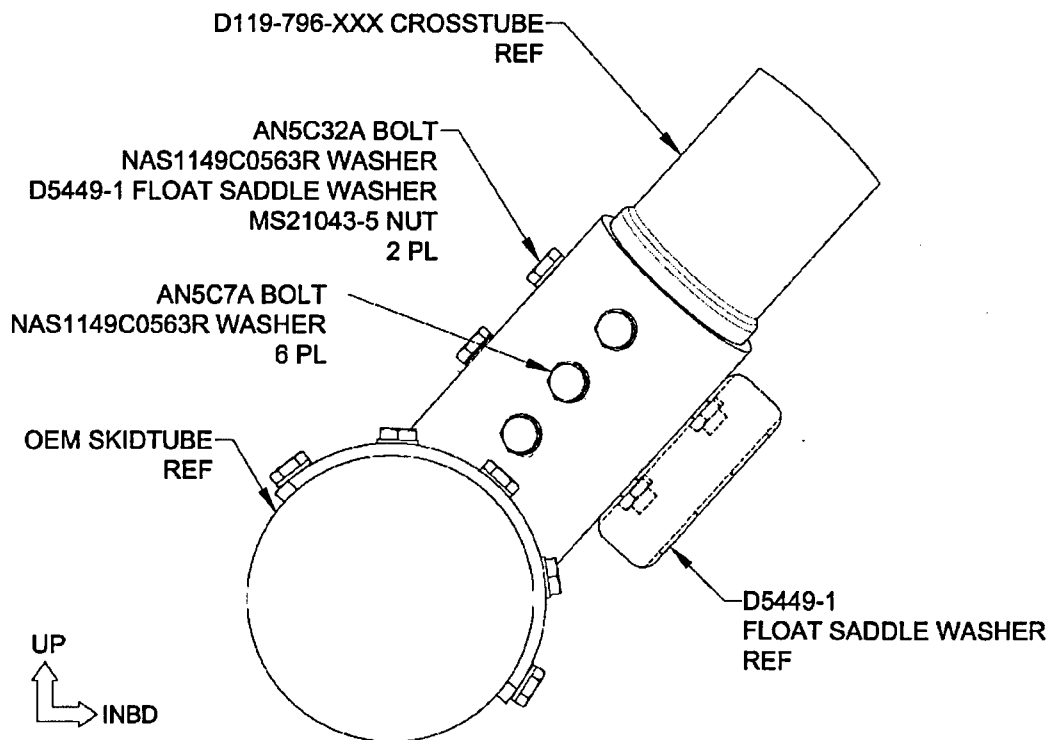


Figure 3.2b/32.5b Installation of D119-796-XXX Crosstube to OEM Skidtubes
(For Installation With Emergency Float Kits)

3.0 PARTS LIST

Qty -015	Part Number	Description
X	D119-796-015	FLOAT PROTECTION KIT
4	D5449-1	FLOAT SADDLE WASHER

4.0 WEIGHT AND BALANCE

There is a negligible weight and balance change associated with this modification.

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